

ABSTRACT

The invention provides a sulphur pellet comprising at least one H₂S-suppressant, comprising in the range of from 60 to 100 wt% elemental sulphur, based on the total weight of the pellet. The invention further provides a process for the manufacture of sulphur pellets comprising at least one H₂S-suppressant, comprising the steps of:

- (a) mixing elemental sulphur, one or more H₂S-suppressants and optionally a filler in a mixing unit to obtain a mixture;
- (b) shaping and/or pelletising the mixture obtained in step (a) in a pelletising unit to obtain H₂S-suppressant-comprising sulphur pellets.

The invention further provides a process for the manufacture of a sulphur-comprising asphalt paving mixture comprising the steps of:

- (i) preheating bitumen at a temperature of between 140 and 180 °C;
 - (ii) preheating aggregate at a temperature of between 140 and 180 °C;
 - (iii) mixing the hot bitumen with the hot aggregate in a mixing unit,
- wherein sulphur pellets comprising H₂S-suppressant according to the invention are added in at least one of the steps (i), (ii) or (iii).

The invention also provides the use of a sulphur-comprising asphalt paving mixture comprising H₂S-suppressant in the paving of roads.